




Southern Cross
Building Products

SX Collar

INSTALLATION INSTRUCTIONS

Southern Cross Building Products Pty Ltd
438 Tinderbox Rd TAS 7054

Date	Revised By	Approved
15/01/2009	Roy Schwartzfeger	

Applicant : Southern Cross Building Products Pty Limited
ABN 46 124 306 163
438 Tinderbox Rd
Tinderbox Tas 7054


Description: The product is an injection moulded "collar" which is designed to block concealed termite entry to structures via the shrinkage crack formed between the concrete slab and pipe penetrations.

The collar is made of UPVC - Equivalent or higher grade than UPVC Drainage pipes: D80 hardness (instantaneous); at least 1mm thick.

The collar is manufactured in to fit the following PVC Drainage pipe sizes:

100mm	80mm	50mm
40mm	16mm	12mm



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8.0 Installation - Waffle

Ground Works

A building site generally commences with preparing the site. This involves removing vegetation, protruding rocks debris including old timbers or tree stumps. The site is levelled and footings including pier holes are dug.



External Drainage

The plumber digs trenches and lays the pipes which will carry away sewerage and waste or 'grey water' from the house. These pipes are usually UPVC or polypropylene.

The pipes are left sticking up out of the ground, to stop debris falling down the pipes a cap or tape is placed over the open ends.



Plastic membrane;waffle pods and steel mesh ...

The concretors place the moisture barrier, waffle pods (if required) and steel mesh. The mesh is held up on 'bar chairs' above the pods.



Collars are fitted at this time

Do not fit the collars before the waffle pods as they could easily be covered by the pod (not cut through and therefore not encased in concrete.



Fit the collar

Remove the plastic cap or tape

Wipe off any mud or debris from the pipe

Press the collar onto the pipe down to the level of the steel (at least 20mm below the top of the slab and 20mm above the bottom of the slab). Generally the steel will have 80mm of concrete cover above it

Ensure that the flat surface marked "This side Down" is facing the ground and the ribbed side is facing up.

Ensure that the collar fits snugly and can easily bear its own weight, apply a pvc glue as required.



The slab is poured

The concretors pour the slab and the collars are cast in.



8.0 Installation - Raft Slab

Ground Works

Like waffle pod slabs, a raft slab commences with preparing the site. This involves removing vegetation, protruding rocks debris including old timbers or tree stumps. The site is levelled and footings including pier holes are dug.



External Drainage

The plumber digs trenches and lays the pipes which will carry away sewerage and waste or 'grey water' from the house. These pipes are usually UPVC or polypropylene.

The pipes are left sticking up out of the ground, to stop debris falling down the pipes a cap or tape is placed over the open ends.



Collars may be fitted at this time

Alternatively wait until the plastic membrane and steel is fitted and install the collars in the same manner as for a waffle pod slab.



Installation - LIMITATIONS

The follow limitations apply to the installation of the collars:

1. The collar must only be used where the entire collar including the flange and thickened upstand can be fully embedded in the concrete slab. The collar should not be placed within 20mm of the top of the slab (FFL) or within 20mm of the bottom of the slab. The level or height of the collar placement within the slab is incidental provided the 20mm minimums top and bottom are complied with.
2. The collar fit must be sufficiently tight so as to at least hold its own weight.
3. The Collar must not be fitted where it is so tight as to fracture or structurally weaken the flange.
4. The collar must not be fitted over damaged pipes, a visible scrape, crack or scoring in the pipe may compromise the bond.
5. Once installed the collars installation must be certified by the installer and regular inspections carried out in accordance with As3660.; and AS 3660.2
6. The collar must be fitted with the flange marked "This side down" facing the ground. The upper portion of the flange has the ribs, these face up and engage with the slab.
7. Pipe clusters must be able to be separated so as to allow the collar to be fully encased in concrete with at least 20mm clearance around the collar. If this separation is not possible another product should be considered.
8. Pipe lagging must be removed to allow the collar effective contact with the pipe. The lagging may be replaced above and below the collar.
9. The installer shall record the details of the installation on a certificate of installation so as to allow traceability of the collars. The Installation certificate shall comply to AS 3660.1 2000 Appendix A. These records shall be kept by the installer for a period of five (5) years. The process of recording installation data may be subject to independent review from time to time.
10. The collar is not to be installed north of the Tropic of Capricorn
11. The installer shall hold appropriate pest management training such as as Pest management Certificate 2 or above. The installer may use workers to install the collars under their supervision.



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